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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/621,412	07/18/2003	Toshihiro Mori	2870-0259P	2793	
2292	7590 06/16/200	5	EXAMINER		
BIRCH ST	EWART KOLASCH	RILEY, JEZIA			
	л JRCH, VA 22040-07	47	ART UNIT PAPER NUMBER		
		1637			
			DATE MAIL ED: 06/16/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/621,412	MORI ET AL.			
		Examiner	Art Unit			
		Jezia Riley	1637			
Period fo	The MAILING DATE of this communication app r Reply	ears on the cover sheet with the c	orrespondence address –			
WHIC - Exten after: - If NO - Failur Any n	DRTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DASSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing d patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timulated and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nety filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
1)🖾	Responsive to communication(s) filed on 20 Ap	<u>oril 2006</u> .				
,—	This action is FINAL . 2b)⊠ This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.			
Dispositi	on of Claims					
4)🖂	Claim(s) 1-18 is/are pending in the application.					
	4a) Of the above claim(s) <u>15-18</u> is/are withdrawn from consideration.					
5)	Claim(s) is/are allowed.					
6)⊠	Claim(s) <u>1-14</u> is/are rejected.					
· · · · · · · · · · · · · · · · · · ·	Claim(s) is/are objected to.					
8)⊠	Claim(s) <u>1-18</u> are subject to restriction and/or e	election requirement.				
Applicati	on Papers					
9) 🗌 -	The specification is objected to by the Examine	r.				
10)🛛	The drawing(s) filed on <u>18 July 2003</u> is/are: a)[oxtimes accepted or b) $igsqcup$ objected to b	y the Examiner.			
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
	Replacement drawing sheet(s) including the correct	· · · · · · · · · · · · · · · · · · ·	•			
11)[The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority u	nder 35 U.S.C. § 119					
-	Acknowledgment is made of a claim for foreign ☑ All b)☐ Some * c)☐ None of:	priority under 35 U.S.C. § 119(a))-(d) or (f).			
	1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents	• •				
	3. Copies of the certified copies of the prior		ed in this National Stage			
* 0	application from the International Bureau	` ''				
3	ee the attached detailed Office action for a list	or the certified copies not receive	a.			
Attachment						
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da				
3) 🛛 Infom	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date 12/11/03.		Patent Application (PTO-152)			

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DETAILED ACTION

Applicant's election with traverse of Group I (claims 1-14) in the reply filed on 4/20/06 is acknowledged. The traversal is on the ground(s) that there is no undue burden. This is not found persuasive because the inventions have different design. Groups II-IV comprise additional steps or means that are not claimed in group I. Therefore this will add a burden to the examiner if all the groups were examined.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 4-7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 4-5 are vague and indefinite because it is unclear what the phrase "having a surface-saponification rate" means. There is no definition in specification.

Claims 6-7 are vague and indefinite because it is unclear how acetylcellulose can be porous and non porous.

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 9-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Ying Su et al. (Analytical Biochemistry, 267 415-418, 1999).

Su discloses cellulose as matrix for nucleic acid purification for isolating RNA (page 418 2nd para). The nucleic acid sample are mixed with isopropanol after treating the sample with solution containing detergent or chaotropic salts. (page 416 2nd paragraph)

The nucleic acid in a sample is then adsorbed to and desorbed with elution buffer having a concentration of 5mM, from the solid phase the method includes a wash step with ethanol (page 417 second paragraph).

Claims 1-10, 12-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Voute et al. (WO 99/51316).

Voute et al. discloses solid support for purification of large macromolecules (RNA and DNA pages 14-15 and claims). The solid support or microbeads comprises dense microporous mineral oxides matrices in which a skin of polymers is rooted. (Abstract and page 7). Example 17 describes beads filled with cellulose triacetate from 0.1 to 5% weight.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jezia Riley whose telephone number is 571-272-0786. The examiner can normally be reached on 9:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Benzion can be reached on 571-272-0782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Wednesday, June 14, 2006

PRIMARY EXAMINER